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Causation

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Universal Approximation Theorem
Nash Embedding Theorems
word-embedding vector space

Axiom of Choice

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Turing Test AlphaGo dataset

AlphaGo Zero 超human AlphaGo AlphaZero MuZero

SAE level 4

ready	Alphabet/Waymo	SAE level

4. SAE level 4 Alphabet/Waymo

Reward Is Enough reward reward reward Reward

SAE level 4

Universal Approximation Theorem Nash Embedding Theorems Word-embedding Vector Space

deep learning reinforcement learning

reward

Universal Approximation Theorem selfish gene

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logical positivism logical empiricism Positivism empiricism

Category Theory
causation law
critique

critique Critique Word-embedding Vector Space

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Peano axioms

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causation
Dirac Delta Function Strange Attractor

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Deepmind AlphaGo Zero AlphaGo

3

☐ 1) ☐ 2) ☐ 3) ☐ 4) ☐ 1) ☐ 2)

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Solyndra [arXiv](#)
[arXiv](#)

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1.

2.

3. Chaitin's constant

4.

5. □□□□ 1 - 4 □□□□□□□□□□□□□□□□□□□□□□

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6. relevance theory

7.

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9. Demis Hassabis □ AlphaGo □ intuition □ intuition □□ Demis Hassabis □□ AlphaGo □□□ intuition □□□□□ AlphaGo □□□□□□□□□□ a meta-solution to any problem □

10. AlphaGo 超越 Nature 超human performance

C. □□□□□□□□□□□□□□□□

11. form

12. motif

13. 如何理解“truth”和truth?truth和truth有什么区别?truth和truth有什么区别?truth和truth有什么区别?

14. 如何理解The Selfish Gene和The Immortal Gene?The Selfish Gene和The Immortal Gene有什么区别?

15. 如何理解Freeman Dyson的Birds and Frogs?birds和frogs有什么区别?birds和frogs有什么区别?birds和frogs有什么区别?

16. 如何理解Austrian School of Economics?Austrian School of Economics和Austrian School of Economics有什么区别?

17. 如何理解selfish gene?selfish gene和selfish gene有什么区别?selfish gene和selfish gene有什么区别?

D. 如何理解selfish gene?

18. 如何理解selfish gene?selfish gene和selfish gene有什么区别?

19. 如何理解selfish gene?selfish gene和selfish gene有什么区别?

20. 如何理解“truth”和truth?truth和truth有什么区别?truth和truth有什么区别?truth和truth有什么区别?

21. 如何理解Turing Machine?Turing Machine和Turing Machine有什么区别?Turing Machine和Turing Machine有什么区别?

22. 如何理解Turing Test?Turing Test和Turing Test有什么区别?Turing Test和Turing Test有什么区别?

23. 如何理解word-embedding vector space?word-embedding vector space和word-embedding vector space有什么区别?

24. 如何理解deep-learning?deep-learning和deep-learning有什么区别?deep-learning和deep-learning有什么区别?

25. 如何理解Universal Approximation Theorem?Universal Approximation Theorem和Universal Approximation Theorem有什么区别?

26. 如何理解reward?reward和reward有什么区别?reward和reward有什么区别?

27. 如何理解selfish gene?selfish gene和selfish gene有什么区别?selfish gene和selfish gene有什么区别?

28. _____

E. _____:

29. _____ O.J.Simpson _____

30. _____ reward _____

_____ Freeman Dyson _____

_____“_____”_____

_____ AlphaGo _____ Nature _____
_____ SAE level 5 _____ SAE level 4 _____

_____ The Selfish Gene _____

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Causation

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[illegible]

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context game regulated
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[illegible]

passion

[illegible]

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Demis Hassabis of Deepmind potentially a meta-solution to any problem

A meta-solution to any problem>>>>>>>>>>>> metaphysics>>> Stanford Encyclopedia of

Philosophy metaphysics “The word ‘metaphysics’ is notoriously hard to define.” Deepmind metaphysics a meta-solution to any problem

physics metaphysics
metaphysics Deepmind a meta-
solution

Deepmind

Deepmind

Stanford Encyclopedia of Philosophy [Regularity and Inferential Theories of Causation](#) [metaphysics](#) [metaphysics](#) [Stanford University](#) [The Metaphysics Research Lab](#) [Stanford Encyclopedia of Philosophy](#) [lab](#) [lab](#) [metaphysics](#)

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Stanford Encyclopedia of Philosophy – Regularity and Inferential Theories of Causation – premise, context, set, maximize – causation

`context context context`

Avi Loeb

[illegible][illegible]

Avi Loeb
Scientific American
civilization
A
civilization
creator
civilization
Avi Loeb

Avi Loeb says civilization could be independent of its host star. B says independent of its host star when the sun will die.

B civilization

